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ASSIGNMENT

I hereby declare that I am an inventor of the invention relating to **ACTIVELY CONTROLLED HIGH HOLDING CURRENT SCR (HHI-SCR)** described in a disclosure for Letters Patent of the United States of America filed:

- [] herewith under the above-identified docket number.
- [X] on March 15, 2002, under U.S. application serial no. 10/099,263.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign, and transfer to **SARNOFF CORPORATION**, a New Jersey corporation having a place of business at 201 Washington Road, Princeton, NJ 08540-6449, United States of America, And **SARNOFF EUROPE**, Brugse Baan 188A, 8470 Gistel, Belgium, its successors, and assigns, my entire right, title, and interest for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues, and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns, or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and, when requested by said corporation and at its expense, will generally do everything possible to aid said corporation, its successors, assigns, and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns, or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document which may be required in any country for any purpose and, more particularly, in proof of the right of said corporation or its successors, assigns, or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with said corporation, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge, the right, title, and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Date: April 26, 2002

By: [Signature]
Kees G. M. Verhaege
Brugse Baan 188A
Gistel, Belgium, B-8470

1st Witness KANSI SARUTA
(print or type)

2nd Witness CORNELIUS CHRISTIAN ZWIS
(print or type)

[Signature]
(signature)
[Signature]
(signature)

RECORDATION FORM COVER SHEET

Page 2

2. Additional Name and address of received Party

Sarnoff Europe
Brugse Baan 188A
8470 Gistel
Belgium

ASSIGNMENT

I hereby declare that I am an inventor of the invention relating to **ELECTROSTATIC DISCHARGE PROTECTION STRUCTURES HAVING HIGH HOLDING CURRENT FOR LATCH-UP IMMUNITY**) described in a disclosure for Letters Patent of the United States of America filed:

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I covenant with said corporation, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge, the right, title, and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Date:

4/30/02

By:

Markus Paul Josef Meigs
 Markus Paul Josef Meigs
 81-16 Tamarron Drive
 Plainsboro, NJ 08536

1st Witness *Barbara J. Fitch*
 (print or type)

2nd Witness _____
 (print or type)

Barbara J. Fitch
 (signature)

 (signature)

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.
I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if multiple names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **ELECTROSTATIC DISCHARGE PROTECTION STRUCTURES HAVING HIGH HOLDING CURRENT FOR LATCH-UP IMMUNITY**, the specification of which is being filed under the above-identified Attorney Docket Number.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	Yes ____ No ____ (Priority Claimed)
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	Yes ____ No ____ (Priority Claimed)

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

_____ (Application Serial No.)	_____ (Filing Date) (patented, pending, abandoned)	(Status)
_____ (Application Serial No.)	_____ (Filing Date) (patented, pending, abandoned)	(Status)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

PROVISIONAL APPLICATION NUMBER

60/276,420
60/280,343
60/280,344
60/280,439
60/280,441
60/280,443

FILING DATE

March 16, 2001
March 30, 2001
March 30, 2001
March 30, 2001
March 30, 2001
March 30, 2001

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorneys and/or agents of Sarnoff Corporation and Moser, Paterson & Sheridan, LLP to prosecute this application and transact all business in the Patent and Trademark Office having a Customer Number 28166 connected therewith:

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to:

Raymond R. Moser, Jr.
Moser, Paterson & Sheridan, LLP
595 Shrewsbury Avenue, Suite 100
Shrewsbury, NJ 07702
Tel. (732) 530-9404
Fax. (732) 530-9808

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURES

Full name of first inventor: **MARKUS PAUL JOSEF MERGENS**

Inventor's signature: *Markus Mergens*
Date: _____ Country of Citizenship: **GERMANY**
Residence and Post Office Address: **81-16 Tamarron Drive
Plainsboro, NJ 08536**

Full name of second inventor: **CORNELIUS CHRISTIAN RUSS**

Inventor's signature: *Cornelius Christian Russ*
Date: 4/26/2002 Country of Citizenship: **GERMANY**
Residence and Post Office Address: **73 Castleton Road
Princeton, NJ 08540**

Full name of third inventor: **JOHN ARMER**

Inventor's signature: *John Armer*
Date: 4/26/2002 Country of Citizenship: **USA**
Residence and Post Office Address: **321 Vesper Avenue
Middlesex, NJ 08846**

Full name of fourth inventor: **KOEN GERARD MARIA VERHAEGE**

Inventor's signature: *Koen Verhaege*
Date: 4/26/2002 Country of Citizenship: **BELGIUM**
Residence and Post Office Address: **Brugse Baan 188A
B-8470 Gistel, Belgium**

Full name of fifth inventor: PHILLIP CZESLAW JOZWIAK

Inventor's signature: Phillip Czeslaw Jozwiak

Date: 04/29/2002 Country of Citizenship: USA

Residence and Post Office Address: 31 Franklin Drive
Plainsboro, NJ 08536

PATENTS ONLY

Doc. No.: 14182

Instructions → → → ▼ ▼ ▼ ▼ ▼ ▼ ▼

The Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

by G. M. Verhaege

2. Name and address of receiving party(ies):

Name: Sarnoff Corporation

Address: Brugse Baan 188A

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

Assignment

☐ Merger

Security Agreement

☐ Change of Name

Other

City: Gistel

State/Prov.: _____

Country: Belgium

ZIP: 8470

Execution Date: 04/26/02

Additional name(s) & address(es)

☒ Yes ☐ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No.

Filing date

B. Patent No.(s)

99,263

3/15/2002

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Moser, Patterson & Sheridan, L.L.P.

Registration No. _____

Address: 595 Shrewsbury Ave

City: Shrewsbury

State/Prov.: NJ

Country: USA

ZIP: 07702

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

04-0203

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9. Statement and signature.

I, the undersigned, declare under oath that to the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John V. Silverio

Name of Person Signing

Signature

3

Date

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:

Date: 4/30/2002By: Cornelius Christian Russ
Cornelius Christian Russ
73 Castleon Road
Princeton, NJ 085401st Witness Barbara J. Felt
(print or type)Barbara J. Felt
(signature)2nd Witness _____
(print or type)_____
(signature)Date: 5/20/2002By: John Armer
John Armer
321 Vesper Avenue
Middlesex, NJ 088461st Witness Barbara J. Felt
(print or type)Barbara J. Felt
(signature)2nd Witness _____
(print or type)_____
(signature)Date: 05/03/02By: Phillip Czeslaw Jozniak
Phillip Czeslaw Jozniak
31 Franklin Drive
Plainsboro, NJ 085361st Witness Tom Sanders
(print or type)Tom Sanders
(signature)2nd Witness _____
(print or type)_____
(signature)

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Date: April 26, 2002

By: [Signature]
Koen G. M. Verhaege
Brugse Baan 188A
Gistel, Belgium, B-8470

1st Witness KANZI SARUTA
(print or type)

2nd Witness CORNELIUS CHRISTIAN RUSS
(print or type)

[Signature]
(signature)
[Signature]
(signature)

RECORDATION FORM COVER SHEET

Page 2

2. Additional Name and address of received Party

Sarnoff Europe
Brugse Baan 188A
8470 Gistel
Belgium

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.
I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if multiple names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **ELECTROSTATIC DISCHARGE PROTECTION STRUCTURES HAVING HIGH HOLDING CURRENT FOR LATCH-UP IMMUNITY**, the specification of which is being filed under the above-identified Attorney Docket Number.

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_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	_____ (Priority Claimed)

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60/280,343
60/280,344
60/280,439
60/280,441
60/280,443

FILING DATE
March 16, 2001
March 30, 2001
March 30, 2001
March 30, 2001
March 30, 2001
March 30, 2001

Full name of fifth inventor: PHILLIP CZESLAW JOZWIAK

Inventor's signature: Phillip Czeslaw Jozwiak
Date: 04/29/2002 Country of Citizenship: USA
Residence and Post Office Address: 31 Franklin Drive
Plainsboro, NJ 08536

ASSIGNMENT

I hereby declare that I am an inventor of the invention relating to **ELECTROSTATIC DISCHARGE PROTECTION STRUCTURES HAVING HIGH HOLDING CURRENT FOR LATCH-UP IMMUNITY**) described in a disclosure for Letters Patent of the United States of America filed:

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Date:

4/30/02

By:

Markus Paul Josef Meigs
 81-16 Tamarron Drive
 Plainsboro, NJ 08536

1st Witness

Darby J. Fitch
 (print or type)

2nd Witness

(print or type)

(signature)

(signature)

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorneys and/or agents of Sarnoff Corporation and Moser, Paterson & Sheridan, LLP to prosecute this application and transact all business in the Patent and Trademark Office having a Customer Number 28166 connected therewith:

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to:

Raymond R. Moser, Jr.
Moser, Paterson & Sheridan, LLP
595 Shrewsbury Avenue, Suite 100
Shrewsbury, NJ 07702
Tel. (732) 530-9404
Fax. (732) 530-9808

DECLARATION

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SIGNATURES

Full name of first inventor: **MARKUS PAUL JOSEF MERGENS**

Inventor's signature: [Signature]
Date: 4/24/2002 Country of Citizenship: **GERMANY**
Residence and Post Office Address: **8146 Tamarron Drive
Plainsboro, NJ 08536**

Full name of second inventor: **CORNELIUS CHRISTIAN RUSS**

Inventor's signature: [Signature]
Date: 4/24/2002 Country of Citizenship: **GERMANY**
Residence and Post Office Address: **73 Castleton Road
Princeton, NJ 08540**

Full name of third inventor: **JOHN ARMER**

Inventor's signature: [Signature]
Date: 4/24/2002 Country of Citizenship: **USA**
Residence and Post Office Address: **321 Vesper Avenue
Middlesex, NJ 08846**

Full name of fourth inventor: **JOEN GERARD MARIA VERHAEGE**

Inventor's signature: [Signature]
Date: 4/24/2002 Country of Citizenship: **BELGIUM**
Residence and Post Office Address: **Brugse Baan 188A
B-8470 Gistel, Belgium**

-2-

Date: 7/20/2002

By: [Signature]
John Armer
321 Vesper Avenue
Middlesex, NJ 08846

1st Witness: Barbara J. Fitch
(print or type)

2nd Witness: _____
(print or type)

[Signature]
(signature)

(signature)

Date: 05/03/02

By: [Signature]
Philip Czeslaw Jozwiak
31 Franklin Drive
Plainsboro, NJ 08536

1st Witness: Tami Sanders
(print or type)

2nd Witness: _____
(print or type)

[Signature]
(signature)

(signature)